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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/12/2022

Lab ID	:	CP-2022-11-26-01
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	26-11-22
Customer ID	:	Cement Concrete Pavement-Guni Agrahara
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement- Guni Agrahara	M30	25/11/2022	02/12/2022	149.93 X 151.15 X 150.39	22663	8.411	525.8	23.2	23.9
2	Cement Concrete Pavement- Guni Agrahara	M30	25/11/2022	02/12/2022	151.65 X 150.04 X 149.14	22753	8.761	557.4	24.5	
3	Cement Concrete Pavement- Guni Agrahara	M30	25/11/2022	02/12/2022	150.34 X 151.27 X 150.05	22742	8.316	543.5	23.9	

* The results obtained are satisfactory as per standard requirements.

AE

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Date.....
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/12/2022

Lab ID : CP-2022-11-26-01

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 26-11-22

Customer ID : Cement Concrete Pavement-Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement- Guni Agrahara	M30	25/11/2022	23/12/2022	149.04 X 151.57 X 149.81	22589	8.565	711.6	31.5	31.9
2	Cement Concrete Pavement- Guni Agrahara	M30	25/11/2022	23/12/2022	150.22 X 151.89 X 150.11	22817	8.231	739.3	32.4	
3	Cement Concrete Pavement- Guni Agrahara	M30	25/11/2022	23/12/2022	151.97 X 149.60 X 150.88	22735	8.270	723.0	31.8	

* The results obtained are satisfactory as per standard requirements.

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Project Division
Yelahanka Zone
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-11-28-01** **Date: 05/12/2022**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-11-22

Customer ID : Cement Concrete Pavement-Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 04/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement- Guni Agrahara	M30	27/11/2022	04/12/2022	151.08 X 151.48 X 150.95	22884	8.813	535.5	23.4	23.4
2	Cement Concrete Pavement- Guni Agrahara	M30	27/11/2022	04/12/2022	149.11 X 151.13 X 151.40	22536	8.662	545.4	24.2	
3	Cement Concrete Pavement- Guni Agrahara	M30	27/11/2022	04/12/2022	150.84 X 149.24 X 151.19	22511	9.016	506.5	22.5	

* The results obtained are satisfactory as per standard requirements.

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BBMP, Bangalore - 92

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-11-28-01**

Date: 26/12/2022

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 28-11-22

Customer ID : Cement Concrete Pavement-Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement-Guni Agrahara	M30	27/11/2022	25/12/2022	151.23 X 149.77 X 150.75	22649	8.116	720.2	31.8	31.7
2	Cement Concrete Pavement-Guni Agrahara	M30	27/11/2022	25/12/2022	149.08 X 149.49 X 149.01	22287	8.478	722.1	32.4	
3	Cement Concrete Pavement-Guni Agrahara	M30	27/11/2022	25/12/2022	150.16 X 149.63 X 149.88	22469	8.421	696.5	31.0	

* The results obtained are satisfactory as per standard requirements.

AE

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Asst. Executive Engineer
Project Division
Yelahanka Zone
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-12-01-01** **Date: 07/12/2022**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 01-12-22

Customer ID : Cement Concrete Pavement-Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement- Guni Agrahara	M30	30/11/2022	07/12/2022	150.36 X 149.44 X 149.21	22470	8.966	471.9	21.0	22.0
2	Cement Concrete Pavement- Guni Agrahara	M30	30/11/2022	07/12/2022	151.58 X 150.55 X 151.62	22821	8.181	504.3	22.1	
3	Cement Concrete Pavement- Guni Agrahara	M30	30/11/2022	07/12/2022	149.83 X 150.87 X 151.47	22606	9.048	515.4	22.8	

* The results obtained are satisfactory as per standard requirements.

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Asst. Executive Engineer
Project Division
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Certificate No.: TC-5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-12-01-01** **Date: 28/12/2022**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 01-12-22

Customer ID : Cement Concrete Pavement-Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement- Guni Agrahara	M30	30/11/2022	28/12/2022	150.76 X 151.95 X 149.78	22909	8.964	721.6	31.5	32.6
2	Cement Concrete Pavement- Guni Agrahara	M30	30/11/2022	28/12/2022	151.32 X 150.05 X 151.28	22706	8.456	744.8	32.8	
3	Cement Concrete Pavement- Guni Agrahara	M30	30/11/2022	28/12/2022	150.69 X 151.64 X 149.57	22850	8.233	767.8	33.6	

* The results obtained are satisfactory as per standard requirements.

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Asst. Executive Engineer
Project Division
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BBMP, Bangalore - 92

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-12-05-01** **Date: 10/12/2022**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 05-12-22

Customer ID : Drain Side Wall- Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	03/12/2022	10/12/2022	149.12 X 150.44 X 149.36	22434	8.372	429.3	19.1	18.6
2	Drain Side Wall-Guni Agrahara	M20	03/12/2022	10/12/2022	150.77 X 151.41 X 150.99	22829	8.605	427.4	18.7	
3	Drain Side Wall-Guni Agrahara	M20	03/12/2022	10/12/2022	151.46 X 150.11 X 149.10	22736	8.626	406.0	17.9	

* The results obtained are satisfactory as per standard requirements.

AE

Received & verified by me

Asst. Executive Engineer,
Project Division
Yelahanka Zone
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/12/2022

Lab ID	:	**CP-2022-12-05-01**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	05-12-22
Customer ID	:	Drain Side Wall- Guni Agrahara
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall- Guni Agrahara	M20	03/12/2022	31/12/2022	150.57 X 150.62 X 149.86	22679	8.373	550.6	24.3	23.2
2	Drain Side Wall- Guni Agrahara	M20	03/12/2022	31/12/2022	151.36 X 149.22 X 151.18	22587	8.941	510.5	22.6	
3	Drain Side Wall- Guni Agrahara	M20	03/12/2022	31/12/2022	151.49 X 151.42 X 149.65	22938	8.588	523.2	22.8	

* The results obtained are satisfactory as per standard requirements.

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Asst. Executive Engineer
Project Division
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/12/2022

Lab ID	:	CP-2022-12-05-01
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045
Customer's Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23
Date of Receipt	:	05-12-22
Customer ID	:	Drain Side Wall- Guni Agrahara
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	03/12/2022	10/12/2022	151.06 X 149.08 X 150.25	22520	8.543	407.3	18.1	18.2
2	Drain Side Wall-Guni Agrahara	M20	03/12/2022	10/12/2022	149.32 X 151.54 X 149.33	22628	8.193	430.7	19.0	
3	Drain Side Wall-Guni Agrahara	M20	03/12/2022	10/12/2022	150.21 X 151.18 X 149.55	22708	8.876	399.6	17.6	

* The results obtained are satisfactory as per standard requirements.

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Project Division
Yelahanka Zone
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-12-05-01** **Date: 31/12/2022**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 05-12-22

Customer ID : Drain Side Wall- Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	03/12/2022	31/12/2022	150.11 X 149.43 X 151.34	22430	8.227	535.4	23.9	23.1
2	Drain Side Wall-Guni Agrahara	M20	03/12/2022	31/12/2022	151.30 X 150.16 X 150.03	22720	8.972	510.4	22.5	
3	Drain Side Wall-Guni Agrahara	M20	03/12/2022	31/12/2022	149.69 X 150.43 X 149.99	22518	8.488	518.2	23.0	

* The results obtained are satisfactory as per standard requirements.

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Lab ID : **CP-2022-12-05-01** **Date: 10/12/2022**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 05-12-22

Customer ID : Drain Side Wall- Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	03/12/2022	10/12/2022	149.44 X 149.73 X 150.40	22375	8.242	394.0	17.6	18.2
2	Drain Side Wall-Guni Agrahara	M20	03/12/2022	10/12/2022	150.79 X 150.37 X 150.93	22674	9.059	411.2	18.1	
3	Drain Side Wall-Guni Agrahara	M20	03/12/2022	10/12/2022	150.37 X 149.17 X 151.30	22431	9.009	424.0	18.9	

* The results obtained are satisfactory as per standard requirements.

AE

AE verified by me

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

CIVIL Pro Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/12/2022

Lab ID : **CP-2022-12-05-01**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 05-12-22

Customer ID : Drain Side Wall- Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	03/12/2022	31/12/2022	149.27 X 150.67 X 149.28	22491	8.214	542.3	24.1	23.5
2	Drain Side Wall-Guni Agrahara	M20	03/12/2022	31/12/2022	150.19 X 151.39 X 150.60	22737	8.471	508.3	22.4	
3	Drain Side Wall-Guni Agrahara	M20	03/12/2022	31/12/2022	149.70 X 151.19 X 151.07	22634	8.606	541.1	23.9	

* The results obtained are satisfactory as per standard requirements.

AE

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BBMP, Bangalore - 92

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-12-06-01 **Date: 12/12/2022**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 06-12-22

Customer ID : Drain Side Wall- Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	05/12/2022	12/12/2022	151.64 X 151.99 X 149.74	23049	8.836	416.3	18.1	18.3
2	Drain Side Wall-Guni Agrahara	M20	05/12/2022	12/12/2022	149.39 X 151.20 X 150.62	22587	8.193	427.3	18.9	
3	Drain Side Wall-Guni Agrahara	M20	05/12/2022	12/12/2022	152.00 X 150.95 X 150.54	22944	8.476	411.3	17.9	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-12-06-01** **Date: 02/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 06-12-22

Customer ID : Drain Side Wall- Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	05/12/2022	02/01/2023	151.17 X 150.08 X 149.39	22688	8.409	547.0	24.1	23.2
2	Drain Side Wall-Guni Agrahara	M20	05/12/2022	02/01/2023	150.69 X 150.03 X 150.85	22608	8.868	497.4	22.0	
3	Drain Side Wall-Guni Agrahara	M20	05/12/2022	02/01/2023	149.48 X 151.72 X 151.55	22679	8.916	530.7	23.4	

* The results obtained are satisfactory as per standard requirements.

AE

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-12-06-01** **Date: 12/12/2022**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 06-12-22

Customer ID : Drain Side Wall- Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	05/12/2022	12/12/2022	149.88 X 149.79 X 150.28	22449	8.617	411.6	18.3	19.0
2	Drain Side Wall-Guni Agrahara	M20	05/12/2022	12/12/2022	150.41 X 149.43 X 149.77	22476	8.729	436.9	19.4	
3	Drain Side Wall-Guni Agrahara	M20	05/12/2022	12/12/2022	149.86 X 150.79 X 149.40	22598	8.696	433.2	19.2	

* The results obtained are satisfactory as per standard requirements.

AE

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-12-06-01** **Date: 12/12/2022**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 06-12-22

Customer ID : Drain Side Wall- Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	05/12/2022	12/12/2022	149.88 X 149.79 X 150.28	22449	8.617	411.6	18.3	19.0
2	Drain Side Wall-Guni Agrahara	M20	05/12/2022	12/12/2022	150.41 X 149.43 X 149.77	22476	8.729	436.9	19.4	
3	Drain Side Wall-Guni Agrahara	M20	05/12/2022	12/12/2022	149.86 X 150.79 X 149.40	22598	8.696	433.2	19.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-12-06-01** **Date: 02/01/2023**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer's Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Date of Receipt : 06-12-22

Customer ID : Drain Side Wall- Guni Agrahara

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-Guni Agrahara	M20	05/12/2022	02/01/2023	149.34 X 149.99 X 151.97	22399	8.633	541.6	24.2	23.4
2	Drain Side Wall-Guni Agrahara	M20	05/12/2022	02/01/2023	149.75 X 149.01 X 151.37	22314	8.935	502.9	22.5	
3	Drain Side Wall-Guni Agrahara	M20	05/12/2022	02/01/2023	149.52 X 149.27 X 150.91	22318	9.049	525.6	23.5	

* The results obtained are satisfactory as per standard requirements.

AE

Asst. AE
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Asst. Executive Engineer
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Yelahanka Zone
BBMP, Bangalore - 92

CIVIL Pro Sig..... Date..... BANGALORE

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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2022-12-07-01**	**Date: 09-12-22**
Project Name	:	PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants	
Agency	:	Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045	
Customer Reference	:	EE(Project)/Ynk Zone/WO/020/2022-23	
Source of Sample	:	Mavallipura	
Date of Receipt	:	07-12-22	
Type of Mix	:	GSB (Granular Sub Base)	
Date of Test	:	07-12-22	
Oven Dry Weight	:	10000 Grams	

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0.0	100.0	100
53	856	856	8.6	91.4	80-100
26.5	2377	3233	32.3	67.7	55-90
9.5	1769	5002	50.0	50.0	35-65
4.75	2235	7237	72.4	27.6	25-50
2.36	1565	8802	88.0	12.0	10-20
0.85	912	9714	97.1	2.9	2-10
0.425	158	9872	98.7	1.3	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	22.12%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

AE

Recommended AE verified by me

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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID : **CP-RW-2022-12-07-01** **Date: 09-12-22**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Source of Sample : Soladevanahalli

Date of Receipt : 07-12-22

Type of Mix : GSB (Granular Sub Base)

Date of Test : 07-12-22

Oven Dry Weight : 10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0.0	100.0	100
53	956	956	9.6	90.4	80-100
26.5	2077	3033	30.3	69.7	55-90
9.5	1969	5002	50.0	50.0	35-65
4.75	1235	6237	62.4	37.6	25-50
2.36	1832	8069	80.7	19.3	10-20
0.85	1046	9115	91.2	8.8	2-10
0.425	425	9540	95.4	4.6	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	22.02%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

AE

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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID : **CP-RW-2022-12-07-01** **Date: 09-12-22**

Project Name : PACKAGE No-05 Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Agency : Sri. K Gopireddy, No.03, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranapalya, Arabic College Post, Bangalore-560045

Customer Reference : EE(Project)/Ynk Zone/WO/020/2022-23

Source of Sample : Kasagattapura

Date of Receipt : 07-12-22

Type of Mix : GSB (Granular Sub Base)

Date of Test : 07-12-22

Oven Dry Weight : 10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0.0	100.0	100
53	762	762	7.6	92.4	80-100
26.5	2177	2939	29.4	70.6	55-90
9.5	1529	4468	44.7	55.3	35-65
4.75	2116	6584	65.8	34.2	25-50
2.36	1684	8268	82.7	17.3	10-20
0.85	912	9180	91.8	8.2	2-10
0.425	352	9532	95.3	4.7	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	22.22%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

AE

Checked & AE verified by me

CIVIL Pro Sig..... Date..... BANGALORE

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End of Report

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